



# CALIFORNIA

## Agricultural Bulletin

**EDD** Employment  
Development  
Department  
State of California

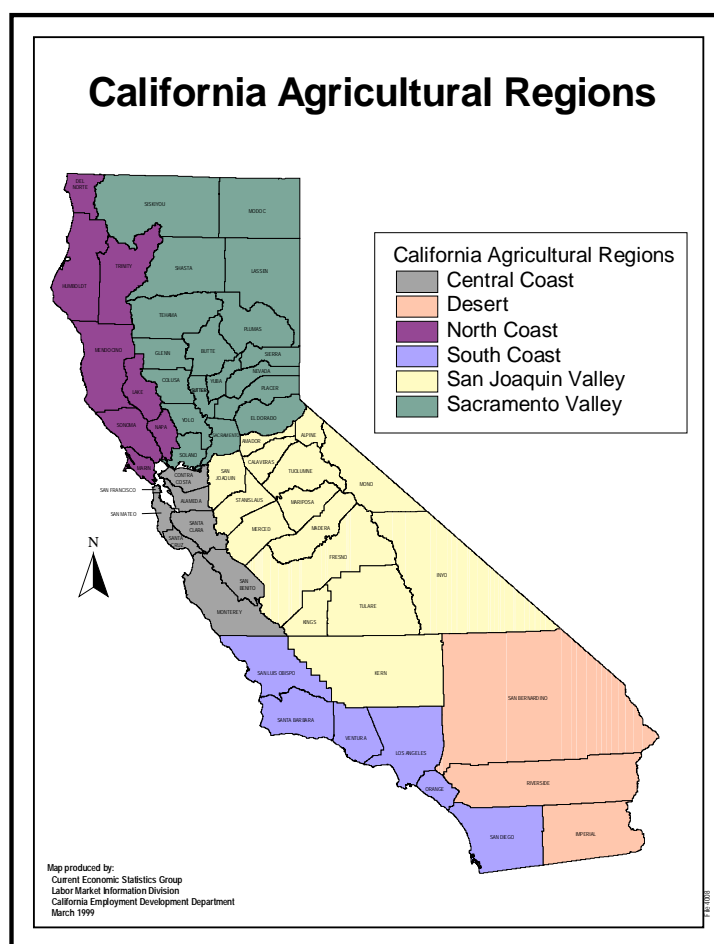
February 2000  
(Internet Version)

### Agricultural Overview

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This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

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Labor Market Information Division  
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## Introduction

The California Agricultural Bulletin is produced by the Employment Development Department (EDD) in cooperation with the U.S. Department of Agriculture and through a grant from the U.S. Department of Labor. Because of changes in sampling and estimating procedures, farm employment data published by EDD prior to January 1997 may not be strictly comparable to current estimates.

## Summary

### Employment

California agricultural employment for February 2000 increased 17,600 jobs from the previous month, a gain of six percent. An increase was registered in Agricultural Services while Agricultural Production posted a decrease. From January 2000 to February 2000, Production/Crops registered a decrease of 17,800 jobs, a loss of 12 percent. Production/Livestock increased by 2,500 jobs, a gain of 11 percent. Agricultural Services registered an increase of 32,900 jobs, for a gain of 31 percent. The pattern of increases and decreases during the month of February varies from year to year depending on weather conditions. The change in California agricultural employment from January 1999 to February 1999 was an increase of 36,900 jobs which followed a decline of 35,100 the previous month, reflecting the impact of the December 1998 freeze.

For the month of February 2000, the largest change in the number of jobs, overall, occurred in Farm Labor and Management with an increase of 24,800 jobs. Among Production Crops, Vegetables and Melons registered the largest change in the number of jobs with a decrease of 9,300. Total agricultural employment increased in the Central Coast, Desert, and South Coast regions while the North Coast, San Joaquin Valley, and Sacramento Valley regions posted decreases.

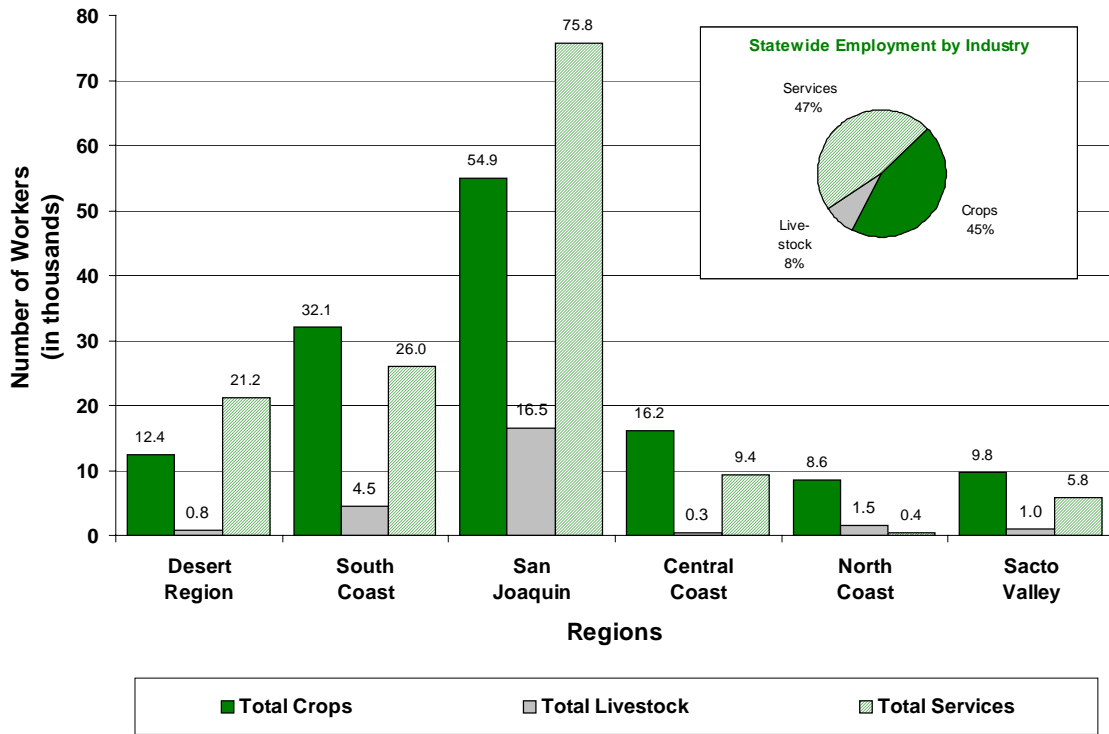
### Production and Crop Activity

Field activity was slowed somewhat due to wet soil conditions. Fertilizer was applied to field crops and sugarbeet planting continued throughout the month. Corn for grain or silage was planted in the southern San Joaquin Valley. Garlic and onions were also planted. Cotton growers bedded up fields and applied herbicides as weather permitted. Alfalfa fields were sprayed for weevils. Work crews also prepared fields for spring planting of corn, melons and tomatoes. Carrots continued to be harvested and planted on a year round basis. Strawberry nursery plant digging was active and a few summer vegetables were planted. Among the vegetables harvested during the month were asparagus, artichokes, broccoli, beets, cauliflower, greens, leaf lettuce, kale, leeks, mint, and radishes. Bareroot roses were harvested in the San Joaquin valley.

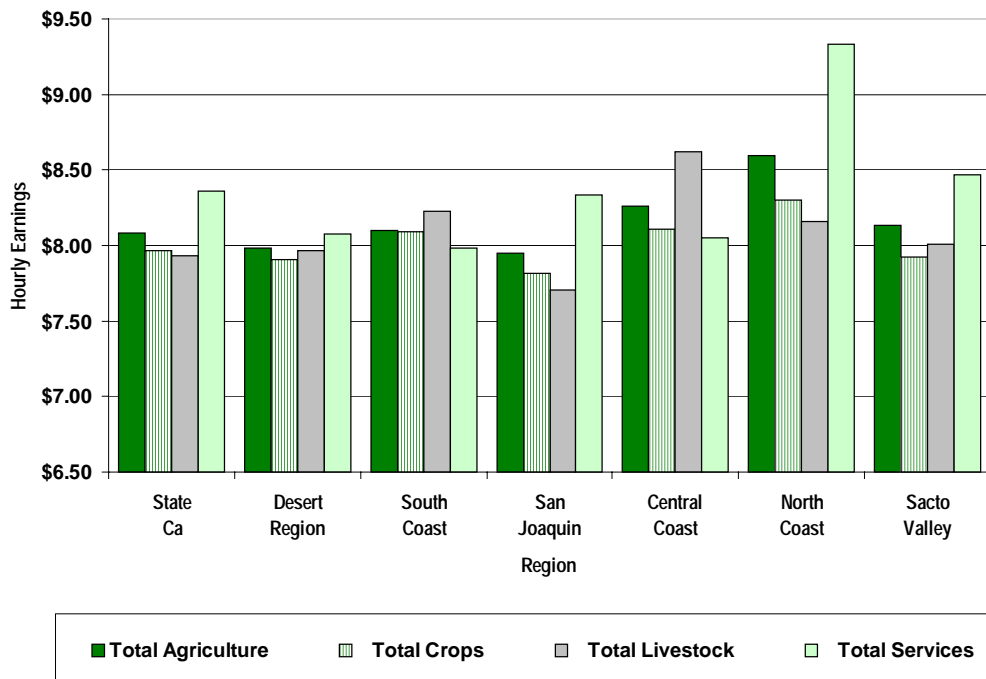
Normal winter cultural activities and other orchard work were also slowed by wet condition in February. Fruit growers were pruning or planting trees and vines. Bee colonies were placed in almond orchards. Other activities during the month included dormant spraying of stone fruit trees. Picking of grapefruit and lemon crops was active in southern California and in the San Joaquin Valley, navel oranges were picked during dry periods. Satsuma tangerine picking was active all month.

# Agricultural Summary Charts

## Wage and Salary Workers



## Average Hourly Earnings



# CALIFORNIA AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Feb 2000	Jan 2000	Feb 1999
<b>Total Agriculture</b>	<b>297.4</b>	<b>279.8</b>	<b>298.8</b>
<b>Total Agricultural Production/Crops</b>	<b>134.2</b>	<b>152.0</b>	<b>152.9</b>
Cash Grains	1.8	1.4	1.1
Rice	1.5	1.0	0.6
Other Cash Grains	0.3	0.4	0.5
Field Crops Except Grains	10.9	12.3	8.4
Cotton	3.2	2.9	4.5
Other Field Crops	7.7	9.4	3.9
Vegetables and Melons	31.4	40.7	21.2
Total Fruits and Tree Nuts	56.8	58.5	70.2
Berries	9.4	7.8	10.6
Grapes	27.3	29.0	33.8
Tree Nuts	5.9	6.6	10.6
Citrus Fruits	1.0	1.2	4.1
Deciduous Tree Fruit	5.6	8.4	5.2
Other Fruits & Nuts	7.6	5.5	5.9
Total Horticultural Specialties	21.9	25.1	33.0
Ornamental Floral & Nursery	21.7	24.2	29.7
Food Crops Grown Under Cover	0.2	0.9	3.3
General Farm Primarily Crop	11.4	14.0	19.0
<b>Agricultural Production/Livestock</b>	<b>24.6</b>	<b>22.1</b>	<b>26.2</b>
Beef Cattle Feed Lots	1.6	0.1	0.6
Beef Cattle Except Feed Lots	1.3	0.8	2.8
Dairy Farms	11.9	7.6	15.0
Chicken Eggs	0.6	1.9	2.4
Turkey & Turkey Eggs	3.7	0.1	0.9
Other Livestock	5.5	11.6	4.5
<b>Total Agricultural Services</b>	<b>138.6</b>	<b>105.7</b>	<b>119.7</b>
Soil Preparation Services	0.3	1.9	1.3
Crop Services	39.5	29.8	33.7
Plant Cultivate & Protection	7.9	5.3	5.0
Harvest Primarily by Machine	2.7	5.3	4.7
Preparation Services for Market	27.6	17.8	23.2
Cotton Ginning	1.3	1.4	0.8
Total Farm Labor & Management	98.8	74.0	84.7
Farm Labor Contractors	94.5	69.7	76.8
Farm Management Services	4.3	4.3	7.9

## Average Hourly Earnings (In dollars per hour)

Industry	Feb 2000	Jan 2000	Feb 1999
<b>Total Agriculture</b>	<b>8.09</b>	<b>8.02</b>	<b>7.77</b>
<b>Total Agricultural Production/Crops</b>	<b>7.97</b>	<b>7.86</b>	<b>7.58</b>
Cash Grains	8.57	8.36	7.05
Rice	8.49	8.26	6.86
Other Cash Grains	8.66	8.46	7.24
Field Crops Except Grains	7.94	8.03	7.43
Cotton	7.68	7.52	7.26
Other Field Crops	8.20	8.54	7.60
Vegetables and Melons	7.84	7.58	8.37
Total Fruits and Tree Nuts	7.68	7.53	7.38
Berries	7.17	6.97	6.99
Grapes	7.66	7.54	7.55
Tree Nuts	7.88	7.79	7.52
Citrus Fruits	8.05	7.77	7.96
Deciduous Tree Fruit	7.44	7.21	6.82
Other Fruits & Nuts	7.86	7.88	7.43
Total Horticultural Specialties	8.05	8.09	7.96
Ornamental Floral & Nursery	8.34	8.18	8.08
Food Crops Grown Under Cover	7.75	8.00	7.83
General Farm Primarily Crop	7.75	7.61	7.28
<b>Agricultural Production/Livestock</b>	<b>7.93</b>	<b>7.88</b>	<b>7.49</b>
Beef Cattle Feed Lots	8.41	8.00	7.54
Beef Cattle Except Feed Lots	8.06	7.86	7.46
Dairy Farms	7.95	7.86	8.11
Chicken Eggs	7.28	7.34	6.74
Turkey & Turkey Eggs	7.68	7.80	7.09
Other Livestock	8.22	8.41	8.01
<b>Total Agricultural Services</b>	<b>8.36</b>	<b>8.33</b>	<b>8.25</b>
Soil Preparation Services	8.68	8.66	8.60
Crop Services	8.45	8.54	8.41
Plant Cultivate & Protection	8.38	8.28	8.81
Harvest Primarily by Machine	8.38	8.46	8.19
Preparation Services for Market	7.73	7.97	7.76
Cotton Ginning	9.31	9.44	8.88
Total Farm Labor & Management	7.94	7.80	7.75
Farm Labor Contractors	7.50	7.63	7.32
Farm Management Services	8.39	7.97	8.18

# CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Industry	Feb 2000	Jan 2000	Feb 1999
<b>Total Agriculture</b>	<b>25.9</b>	<b>22.3</b>	<b>34.7</b>
<b>Total Agricultural Production/Crops</b>	<b>16.2</b>	<b>18.1</b>	<b>21.2</b>
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.6	1.8	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	0.6	1.8	0.2
Vegetables and Melons	4.7	3.5	6.5
Total Fruits and Tree Nuts	4.7	4.2	4.9
Berries	0.7	1.2	2.8
Grapes	0.7	0.6	1.4
Tree Nuts	0.4	0.6	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.6	0.3	0.4
Other Fruits & Nuts	2.3	1.5	0.1
Total Horticultural Specialties	6.0	7.9	8.4
Ornamental Floral & Nursery	6.0	7.2	6.3
Food Crops Grown Under Cover	0.0	0.7	2.1
General Farm Primarily Crop	0.2	0.7	1.2
<b>Agricultural Production/Livestock</b>	<b>0.3</b>	<b>0.4</b>	<b>0.9</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.3
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.3	0.4	0.3
<b>Total Agricultural Services</b>	<b>9.4</b>	<b>3.8</b>	<b>12.6</b>
Soil Preparation Services	0.0	0.8	0.7
Crop Services	4.2	0.4	4.7
Plant Cultivate & Protection	0.0	0.0	0.4
Harvest Primarily by Machine	0.1	0.0	0.9
Preparation Services for Market	4.1	0.4	3.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	5.2	2.6	7.2
Farm Labor Contractors	5.2	2.6	6.0
Farm Management Services	0.0	0.0	1.2

na = not available

Average Hourly Earnings  
(In dollars per hour)

Industry	Feb 2000	Jan 2000	Feb 1999
<b>Total Agriculture</b>	<b>8.26</b>	<b>8.39</b>	<b>7.93</b>
<b>Total Agricultural Production/Crops</b>	<b>8.11</b>	<b>7.95</b>	<b>7.86</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.38	8.49	7.32
Cotton	na	na	na
Other Field Crops	8.38	8.49	7.32
Vegetables and Melons	8.18	8.20	9.28
Total Fruits and Tree Nuts	7.85	7.59	7.36
Berries	7.35	6.93	7.54
Grapes	8.05	8.05	na
Tree Nuts	8.00	7.61	7.53
Citrus Fruits	na	na	na
Deciduous Tree Fruit	7.81	7.21	6.30
Other Fruits & Nuts	8.05	8.14	8.08
Total Horticultural Specialties	8.58	8.35	7.95
Ornamental Floral & Nursery	8.58	8.46	7.84
Food Crops Grown Under Cover	na	8.24	8.05
General Farm Primarily Crop	7.57	7.13	7.39
<b>Agricultural Production/Livestock</b>	<b>8.62</b>	<b>8.93</b>	<b>7.55</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	7.97
Dairy Farms	na	na	7.85
Chicken Eggs	na	na	7.00
Turkey & Turkey Eggs	na	na	6.99
Other Livestock	8.62	8.93	7.95
<b>Total Agricultural Services</b>	<b>8.05</b>	<b>8.30</b>	<b>8.39</b>
Soil Preparation Services	8.19	8.19	8.15
Crop Services	8.17	8.70	8.90
Plant Cultivate & Protection	na	na	8.71
Harvest Primarily by Machine	8.32	na	9.27
Preparation Services for Market	8.01	8.70	8.72
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.80	8.01	8.13
Farm Labor Contractors	7.80	8.01	7.80
Farm Management Services	na	na	8.45

# DESERT AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Feb 2000	Jan 2000	Feb 1999
<b>Total Agriculture</b>	<b>34.4</b>	<b>15.8</b>	<b>35.8</b>
<b>Total Agricultural Production/Crops</b>	<b>12.4</b>	<b>8.5</b>	<b>13.6</b>
Cash Grains	0.1	0.1	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.1	0.1	0.1
Field Crops Except Grains	2.3	1.6	1.5
Cotton	0.1	0.0	0.0
Other Field Crops	2.2	1.6	1.5
Vegetables and Melons	6.0	2.6	4.9
Total Fruits and Tree Nuts	1.5	1.9	2.9
Berries	0.0	0.0	0.0
Grapes	0.5	1.1	1.0
Tree Nuts	0.1	0.4	0.1
Citrus Fruits	0.2	0.2	0.9
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	0.7	0.2	0.8
Total Horticultural Specialties	0.6	0.2	1.4
Ornamental Floral & Nursery	0.6	0.2	1.3
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	1.9	2.1	2.9
<b>Agricultural Production/Livestock</b>	<b>0.8</b>	<b>0.9</b>	<b>5.5</b>
Beef Cattle Feed Lots	0.0	0.0	0.3
Beef Cattle Except Feed Lots	0.0	0.1	0.5
Dairy Farms	0.4	0.3	2.8
Chicken Eggs	0.0	0.0	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.4	0.5	0.7
<b>Total Agricultural Services</b>	<b>21.2</b>	<b>6.4</b>	<b>16.7</b>
Soil Preparation Services	0.0	0.0	0.2
Crop Services	4.1	1.3	5.6
Plant Cultivate & Protection	0.8	0.6	0.4
Harvest Primarily by Machine	0.0	0.0	1.7
Preparation Services for Market	3.1	0.2	3.3
Cotton Ginning	0.2	0.5	0.2
Total Farm Labor & Management	17.1	5.1	10.9
Farm Labor Contractors	16.6	3.5	10.0
Farm Management Services	0.5	1.6	0.9

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Feb 2000	Jan 2000	Feb 1999
<b>Total Agriculture</b>	<b>7.98</b>	<b>8.03</b>	<b>7.80</b>
<b>Total Agricultural Production/Crops</b>	<b>7.91</b>	<b>7.84</b>	<b>7.62</b>
Cash Grains	8.78	8.65	na
Rice	na	na	na
Other Cash Grains	8.78	8.65	6.77
Field Crops Except Grains	7.67	8.28	7.67
Cotton	7.50	na	na
Other Field Crops	7.84	8.28	7.67
Vegetables and Melons	7.44	7.05	8.87
Total Fruits and Tree Nuts	7.58	7.62	7.19
Berries	na	na	na
Grapes	7.43	7.23	7.19
Tree Nuts	7.25	7.82	na
Citrus Fruits	8.01	8.02	7.18
Deciduous Tree Fruit	na	na	6.68
Other Fruits & Nuts	7.64	7.39	7.71
Total Horticultural Specialties	8.17	7.96	7.78
Ornamental Floral & Nursery	8.17	7.96	7.55
Food Crops Grown Under Cover	na	na	8.00
General Farm Primarily Crop	7.80	7.46	6.59
<b>Agricultural Production/Livestock</b>	<b>7.97</b>	<b>8.08</b>	<b>7.52</b>
Beef Cattle Feed Lots	na	na	7.32
Beef Cattle Except Feed Lots	na	7.51	6.71
Dairy Farms	8.09	8.21	9.00
Chicken Eggs	na	na	6.52
Turkey & Turkey Eggs	na	na	na
Other Livestock	7.85	8.51	8.03
<b>Total Agricultural Services</b>	<b>8.07</b>	<b>8.19</b>	<b>8.28</b>
Soil Preparation Services	na	na	9.64
Crop Services	8.17	8.43	7.87
Plant Cultivate & Protection	8.40	8.28	8.66
Harvest Primarily by Machine	na	na	7.40
Preparation Services for Market	7.30	7.36	6.91
Cotton Ginning	8.82	9.64	8.50
Total Farm Labor & Management	7.98	7.95	7.33
Farm Labor Contractors	7.60	7.60	6.81
Farm Management Services	8.35	8.29	7.84

# NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Average Hourly Earnings  
(In dollars per hour)

Industry	Feb 2000	Jan 2000	Feb 1999
<b>Total Agriculture</b>	<b>10.5</b>	<b>17.3</b>	<b>12.6</b>
<b>Total Agricultural Production/Crops</b>	<b>8.6</b>	<b>15.2</b>	<b>9.5</b>
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.2	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.2	0.0
Vegetables and Melons	4.1	9.6	0.1
Total Fruits and Tree Nuts	4.0	4.9	7.2
Berries	0.0	0.0	0.0
Grapes	3.2	3.6	6.3
Tree Nuts	0.0	0.0	0.0
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.4	0.2	0.8
Other Fruits & Nuts	0.4	1.1	0.1
Total Horticultural Specialties	0.2	0.1	2.0
Ornamental Floral & Nursery	0.2	0.1	1.8
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	0.3	0.4	0.2
<b>Agricultural Production/Livestock</b>	<b>1.5</b>	<b>1.9</b>	<b>1.6</b>
Beef Cattle Feed Lots	0.2	0.0	0.0
Beef Cattle Except Feed Lots	0.1	0.2	0.2
Dairy Farms	1.1	1.5	0.9
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.1	0.2	0.3
<b>Total Agricultural Services</b>	<b>0.4</b>	<b>0.2</b>	<b>1.5</b>
Soil Preparation Services	0.0	0.0	0.0
Crop Services	0.0	0.1	0.0
Plant Cultivate & Protection	0.0	0.0	0.0
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.1	0.0
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	0.4	0.1	1.5
Farm Labor Contractors	0.0	0.1	0.3
Farm Management Services	0.4	0.0	1.2

Industry	Feb 2000	Jan 2000	Feb 1999
<b>Total Agriculture</b>	<b>8.60</b>	<b>8.11</b>	<b>8.09</b>
<b>Total Agricultural Production/Crops</b>	<b>8.30</b>	<b>8.40</b>	<b>7.97</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	8.92	na
Cotton	na	na	na
Other Field Crops	na	8.92	na
Vegetables and Melons	8.43	8.46	8.50
Total Fruits and Tree Nuts	8.19	7.86	7.33
Berries	na	na	na
Grapes	8.91	8.43	8.34
Tree Nuts	na	na	na
Citrus Fruits	na	na	na
Deciduous Tree Fruit	7.49	7.27	6.95
Other Fruits & Nuts	8.18	7.88	6.70
Total Horticultural Specialties	8.75	8.65	8.09
Ornamental Floral & Nursery	8.75	8.65	8.12
Food Crops Grown Under Cover	na	na	8.05
General Farm Primarily Crop	7.84	8.09	na
<b>Agricultural Production/Livestock</b>	<b>8.16</b>	<b>7.72</b>	<b>7.24</b>
Beef Cattle Feed Lots	8.94	na	na
Beef Cattle Except Feed Lots	8.38	7.94	7.34
Dairy Farms	7.17	7.27	6.95
Chicken Eggs	na	na	7.55
Turkey & Turkey Eggs	na	na	7.12
Other Livestock	8.16	7.96	7.23
<b>Total Agricultural Services</b>	<b>9.33</b>	<b>8.21</b>	<b>9.06</b>
Soil Preparation Services	na	na	na
Crop Services	na	8.64	na
Plant Cultivate & Protection	na	na	na
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	8.64	na
Cotton Ginning	na	na	na
Total Farm Labor & Management	9.33	7.78	9.06
Farm Labor Contractors	na	7.78	8.90
Farm Management Services	9.33	na	9.22

na = not available

# SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Average Hourly Earnings  
(In dollars per hour)

Industry	Feb 2000	Jan 2000	Feb 1999
<b>Total Agriculture</b>	<b>62.6</b>	<b>51.6</b>	<b>54.7</b>
<b>Total Agricultural Production/Crops</b>	<b>32.1</b>	<b>26.8</b>	<b>38.7</b>
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	1.2	1.6	0.1
Cotton	0.0	0.0	0.1
Other Field Crops	1.2	1.6	0.1
Vegetables and Melons	6.0	5.6	6.5
Total Fruits and Tree Nuts	10.1	8.6	12.5
Berries	8.4	6.6	7.7
Grapes	0.0	0.5	1.8
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.7	0.8	1.3
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	1.0	0.7	1.5
Total Horticultural Specialties	12.9	10.0	15.9
Ornamental Floral & Nursery	12.9	10.0	15.1
Food Crops Grown Under Cover	0.0	0.0	0.8
General Farm Primarily Crop	1.9	1.0	3.6
<b>Agricultural Production/Livestock</b>	<b>4.5</b>	<b>7.4</b>	<b>1.9</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.1	0.0	0.3
Dairy Farms	0.7	0.0	0.2
Chicken Eggs	0.3	1.6	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	3.4	5.8	1.0
<b>Total Agricultural Services</b>	<b>26.0</b>	<b>17.4</b>	<b>14.1</b>
Soil Preparation Services	0.0	0.0	0.0
Crop Services	2.8	2.5	2.7
Plant Cultivate & Protection	0.6	0.4	0.4
Harvest Primarily by Machine	0.1	1.6	0.5
Preparation Services for Market	2.1	0.5	1.8
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	23.2	14.9	11.4
Farm Labor Contractors	21.7	13.6	10.4
Farm Management Services	1.5	1.3	1.0

Industry	Feb 2000	Jan 2000	Feb 1999
<b>Total Agriculture</b>	<b>8.10</b>	<b>8.07</b>	<b>7.82</b>
<b>Total Agricultural Production/Crops</b>	<b>8.09</b>	<b>7.96</b>	<b>7.76</b>
Cash Grains	na	na	7.78
Rice	na	na	na
Other Cash Grains	na	na	7.78
Field Crops Except Grains	8.44	8.44	7.60
Cotton	na	na	6.75
Other Field Crops	8.44	8.44	8.45
Vegetables and Melons	7.86	7.26	8.39
Total Fruits and Tree Nuts	7.58	7.65	7.45
Berries	6.77	7.01	6.58
Grapes	na	7.50	8.06
Tree Nuts	na	na	7.25
Citrus Fruits	8.06	7.98	8.57
Deciduous Tree Fruit	na	na	6.12
Other Fruits & Nuts	7.91	8.11	8.09
Total Horticultural Specialties	8.57	8.17	8.13
Ornamental Floral & Nursery	8.57	8.17	7.95
Food Crops Grown Under Cover	na	na	8.30
General Farm Primarily Crop	8.01	8.26	7.20
<b>Agricultural Production/Livestock</b>	<b>8.22</b>	<b>8.36</b>	<b>7.90</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.37	na	7.94
Dairy Farms	8.22	na	8.67
Chicken Eggs	7.42	7.68	6.27
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.88	9.03	8.72
<b>Total Agricultural Services</b>	<b>7.98</b>	<b>7.90</b>	<b>7.80</b>
Soil Preparation Services	na	na	na
Crop Services	8.19	7.93	8.00
Plant Cultivate & Protection	8.51	8.10	8.35
Harvest Primarily by Machine	8.50	8.25	7.76
Preparation Services for Market	7.55	7.43	7.89
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.78	7.88	7.60
Farm Labor Contractors	7.62	7.88	7.42
Farm Management Services	7.94	7.87	7.77

na = not available



# SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Average Hourly Earnings  
(In dollars per hour)

Industry	Feb 2000	Jan 2000	Feb 1999
<b>Total Agriculture</b>	<b>147.2</b>	<b>154.5</b>	<b>150.9</b>
<b>Total Agricultural Production/Crops</b>	<b>54.9</b>	<b>72.1</b>	<b>63.4</b>
Cash Grains	0.7	0.5	0.3
Rice	0.6	0.5	0.1
Other Cash Grains	0.1	0.0	0.2
Field Crops Except Grains	6.5	6.6	6.1
Cotton	3.1	2.9	4.4
Other Field Crops	3.4	3.7	1.7
Vegetables and Melons	8.0	17.3	2.9
Total Fruits and Tree Nuts	32.4	33.8	39.5
Berries	0.3	0.0	0.1
Grapes	21.8	22.7	22.8
Tree Nuts	4.4	4.3	8.5
Citrus Fruits	0.1	0.1	1.9
Deciduous Tree Fruit	3.4	5.7	3.0
Other Fruits & Nuts	2.4	1.0	3.2
Total Horticultural Specialties	1.1	4.8	4.6
Ornamental Floral & Nursery	1.1	4.8	4.6
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	6.2	9.1	10.0
<b>Agricultural Production/Livestock</b>	<b>16.5</b>	<b>10.8</b>	<b>15.2</b>
Beef Cattle Feed Lots	1.4	0.1	0.3
Beef Cattle Except Feed Lots	1.0	0.4	1.1
Dairy Farms	9.1	5.4	10.6
Chicken Eggs	0.3	0.3	0.6
Turkey & Turkey Eggs	3.7	0.1	0.7
Other Livestock	1.0	4.5	1.9
<b>Total Agricultural Services</b>	<b>75.8</b>	<b>71.6</b>	<b>72.3</b>
Soil Preparation Services	0.3	1.1	0.4
Crop Services	22.6	19.7	19.7
Plant Cultivate & Protection	6.2	3.9	3.5
Harvest Primarily by Machine	2.2	3.5	1.5
Preparation Services for Market	13.1	11.4	14.1
Cotton Ginning	1.1	0.9	0.6
Total Farm Labor & Management	52.9	50.8	52.2
Farm Labor Contractors	51.0	49.4	48.8
Farm Management Services	1.9	1.4	3.4

Industry	Feb 2000	Jan 2000	Feb 1999
<b>Total Agriculture</b>	<b>7.95</b>	<b>8.00</b>	<b>7.61</b>
<b>Total Agricultural Production/Crops</b>	<b>7.81</b>	<b>7.68</b>	<b>7.38</b>
Cash Grains	8.52	8.14	6.64
Rice	8.45	8.14	6.44
Other Cash Grains	8.59	na	6.84
Field Crops Except Grains	8.02	8.07	7.53
Cotton	7.85	7.52	7.77
Other Field Crops	8.19	8.61	7.29
Vegetables and Melons	7.72	7.12	7.32
Total Fruits and Tree Nuts	7.61	7.70	7.44
Berries	7.39	na	6.86
Grapes	6.85	7.06	7.04
Tree Nuts	8.41	8.06	7.91
Citrus Fruits	8.08	8.08	8.14
Deciduous Tree Fruit	7.12	7.23	7.58
Other Fruits & Nuts	7.78	8.06	7.11
Total Horticultural Specialties	7.69	7.59	7.45
Ornamental Floral & Nursery	7.69	7.59	8.13
Food Crops Grown Under Cover	na	na	6.77
General Farm Primarily Crop	7.33	7.45	7.89
<b>Agricultural Production/Livestock</b>	<b>7.71</b>	<b>7.94</b>	<b>7.43</b>
Beef Cattle Feed Lots	7.87	8.00	7.75
Beef Cattle Except Feed Lots	7.56	8.12	6.85
Dairy Farms	8.17	8.35	8.33
Chicken Eggs	7.14	7.00	6.35
Turkey & Turkey Eggs	7.68	7.80	7.15
Other Livestock	7.81	8.37	8.16
<b>Total Agricultural Services</b>	<b>8.33</b>	<b>8.38</b>	<b>8.02</b>
Soil Preparation Services	9.17	9.12	8.00
Crop Services	8.37	8.45	8.60
Plant Cultivate & Protection	8.27	8.43	9.31
Harvest Primarily by Machine	8.21	8.63	8.40
Preparation Services for Market	7.20	7.49	7.42
Cotton Ginning	9.80	9.23	9.25
Total Farm Labor & Management	7.46	7.56	7.47
Farm Labor Contractors	6.98	7.37	6.49
Farm Management Services	7.93	7.75	8.45

na = not available

# SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Feb 2000	Jan 2000	Feb 1999
<b>Total Agriculture</b>	<b>16.6</b>	<b>18.1</b>	<b>9.8</b>
<b>Total Agricultural Production/Crops</b>	<b>9.8</b>	<b>11.1</b>	<b>6.2</b>
Cash Grains	1.0	0.8	0.6
Rice	0.9	0.5	0.5
Other Cash Grains	0.1	0.3	0.1
Field Crops Except Grains	0.3	0.5	0.4
Cotton	0.0	0.0	0.0
Other Field Crops	0.3	0.5	0.4
Vegetables and Melons	2.6	2.1	0.3
Total Fruits and Tree Nuts	4.1	5.1	3.2
Berries	0.0	0.0	0.0
Grapes	1.1	0.5	0.5
Tree Nuts	1.0	1.3	1.7
Citrus Fruits	0.0	0.1	0.0
Deciduous Tree Fruit	1.2	2.2	0.8
Other Fruits & Nuts	0.8	1.0	0.2
Total Horticultural Specialties	0.9	1.9	0.6
Ornamental Floral & Nursery	0.9	1.9	0.6
Food Crops Grown Under Cover	0.2	0.2	0.0
General Farm Primarily Crop	0.9	0.7	1.1
<b>Agricultural Production/Livestock</b>	<b>1.0</b>	<b>0.7</b>	<b>1.1</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.1	0.1	0.4
Dairy Farms	0.6	0.4	0.4
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.3	0.2	0.3
<b>Total Agricultural Services</b>	<b>5.8</b>	<b>6.3</b>	<b>2.5</b>
Soil Preparation Services	0.0	0.0	0.0
Crop Services	5.8	5.8	1.0
Plant Cultivate & Protection	0.3	0.4	0.3
Harvest Primarily by Machine	0.3	0.2	0.1
Preparation Services for Market	5.2	5.2	0.6
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	0.0	0.5	1.5
Farm Labor Contractors	0.0	0.5	1.3
Farm Management Services	0.0	0.0	0.2

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Feb 2000	Jan 2000	Feb 1999
<b>Total Agriculture</b>	<b>8.13</b>	<b>7.75</b>	<b>7.74</b>
<b>Total Agricultural Production/Crops</b>	<b>7.93</b>	<b>7.79</b>	<b>7.66</b>
Cash Grains	8.57	8.33	7.42
Rice	8.52	8.38	7.28
Other Cash Grains	8.61	8.27	7.55
Field Crops Except Grains	8.17	8.49	7.27
Cotton	na	na	na
Other Field Crops	8.17	8.49	7.27
Vegetables and Melons	7.41	7.36	7.88
Total Fruits and Tree Nuts	7.46	7.30	7.16
Berries	na	na	na
Grapes	7.08	6.96	7.10
Tree Nuts	7.84	7.68	7.38
Citrus Fruits	na	7.00	na
Deciduous Tree Fruit	7.32	7.13	7.30
Other Fruits & Nuts	7.60	7.71	6.87
Total Horticultural Specialties	8.02	8.00	8.90
Ornamental Floral & Nursery	8.28	8.24	8.90
Food Crops Grown Under Cover	7.75	7.75	na
General Farm Primarily Crop	7.93	7.28	7.35
<b>Agricultural Production/Livestock</b>	<b>8.01</b>	<b>7.71</b>	<b>7.93</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	7.92	7.88	7.94
Dairy Farms	8.09	7.60	7.87
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.02	7.65	7.98
<b>Total Agricultural Services</b>	<b>8.47</b>	<b>7.74</b>	<b>7.64</b>
Soil Preparation Services	na	na	na
Crop Services	8.47	8.34	8.34
Plant Cultivate & Protection	8.33	8.32	9.04
Harvest Primarily by Machine	8.49	8.49	8.14
Preparation Services for Market	8.58	8.20	7.84
Cotton Ginning	na	na	na
Total Farm Labor & Management	na	7.14	6.94
Farm Labor Contractors	na	7.14	6.52
Farm Management Services	na	na	7.35

## DATA NOTES

### Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12<sup>th</sup> calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

### Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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